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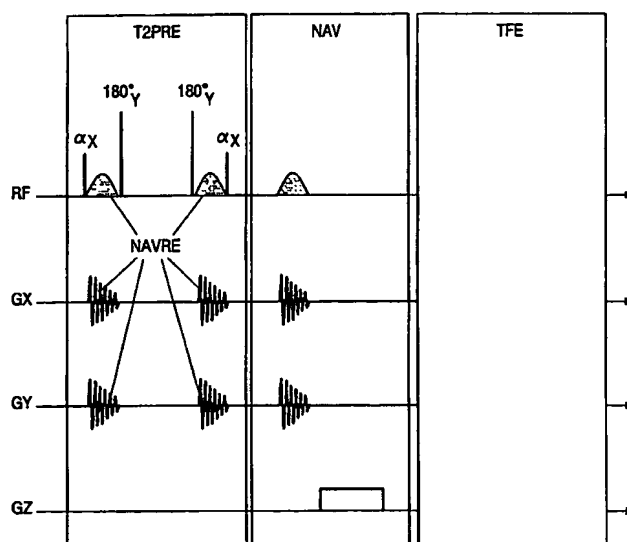
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[Continued on next page]

(54) Title: **MAGNETIC RESONANCE METHOD AND DEVICE**



(57) Abstract: The invention relates to a method for magnetic resonance imaging (MRI) of at least a portion of a body placed in a stationary and substantially homogeneous main magnetic field. According to this method, the portion of the body is initially subjected to a T<sub>2</sub>-preparation sequence (T2PRE). Thereafter, a 2D navigator sequence (NAV) is applied and an MR navigator signal is measured. A series of MR imaging signals is subsequently generated by an imaging sequence (TFE). These MR imaging signals are measured for reconstructing an MR image therefrom. In order to provide a T<sub>2</sub>-weighted imaging, which gives a high T<sub>2</sub> contrast and also guarantees a faultless functioning of the navigator, the invention proposes to apply a 2D navigator restore sequence (NAVRE) prior to irradiation of the 2D navigator sequence (NAV).

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